

CLAIMS

I claim:

1. A deflection gauge with a dislodging system comprising:
an elongate deflection gauge for measuring a minimum
diameter of a lumen of a pipe; and
dislodging means for dislodging the deflection gauge from a
lodged condition in the lumen of a pipe, the dislodging means being
adapted to impact against the deflection gauge while the deflection
gauge is positioned in the lumen of the pipe.
2. The deflection gauge with dislodging system of claim 1
wherein the dislodging means is movably mounted on the deflection
gauge.
3. The deflection gauge with dislodging system of claim 1
wherein the dislodging means is movable with respect to the
deflection gauge in a direction oriented substantially parallel to the
longitudinal axis of the deflection gauge.
4. The deflection gauge with dislodging system of claim 1
wherein the dislodging means is slidably movable with respect to
the deflection gauge by pulling a cord when the cord is connected
to the dislodging means.
5. The deflection gauge with dislodging system of claim 1
wherein the dislodging means is adapted to impact the deflection
gauge in a direction oriented substantially parallel to the
longitudinal axis of the deflection gauge.
6. The deflection gauge with dislodging system of claim 1

wherein the dislodging means includes a slide member slidably mounted on the deflection gauge, the slide member having opposite ends.

7. The deflection gauge with dislodging system of claim 6 wherein the deflection gauge includes a pair of spaced end plates, and wherein the slide member has a length greater than a distance between outer surfaces of the end plates of the deflection gauge.

8. The deflection gauge with dislodging system of claim 6 wherein the deflection means includes a stop member mounted on the slide member for limiting sliding movement of the slide member with respect to the deflection gauge.

9. The deflection gauge with dislodging system of claim 8 wherein the stop member is mounted at an end of the slide member.

10. The deflection gauge with dislodging system of claim 8 wherein a pair of the stop members are mounted on the slide member with the pair of stop members being mounted on opposite ends of the slide member.

11. The deflection gauge with dislodging system of claim 6 wherein the dislodging means includes a hook mounted on the slide member for connecting a cord thereto.

12. The deflection gauge with dislodging system of claim 11 wherein a pair of the hooks are mounted on the slide member with the pair of hooks being mounted on opposite ends of the slide member.

13. The deflection gauge with dislodging system of claim 1 wherein the deflection gauge comprises a pair of longitudinally

separated end plates and a plurality of skid members extending between the end plates.

14. The deflection gauge with dislodging system of claim 13 wherein each of the end plates has an aperture formed therein, and wherein the dislodging means comprises a slide member extending in the apertures of the end plates.

15. The deflection gauge with dislodging system of claim 13 wherein radially outermost surfaces of the skid members defining a calibrated diameter along a circumference of the deflection gauge.

16. A deflection gauge with a dislodging system comprising:
a deflection gauge for measuring a minimum diameter of a lumen of a pipe, the deflection gauge comprising a pair of longitudinally separated end plates, each of the end plates having an aperture formed therein and a plurality of skid members extending between the end plates, radially outermost surfaces of the skid members defining a calibrated diameter along a circumference of the deflection gauge; and

dislodging means for dislodging the deflection gauge from a lodged condition in the lumen of a pipe, the dislodging means being adapted to impact against the deflection gauge while the deflection gauge is positioned in the lumen of the pipe, the dislodging means being movably mounted on the deflection gauge, the dislodging means being movable with respect to the deflection gauge in a direction oriented substantially parallel to the longitudinal axis of the deflection gauge.

17. The deflection gauge with dislodging system of claim 16 wherein the dislodging means comprises:

a slide member slidably mounted on the deflection gauge, the

slide member being elongate with opposite ends;

a pair of stop members being mounted on the slide member with the pair of stop members being mounted on opposite ends of the slide member; and

a pair of hooks being mounted on the slide member with the pair of hooks being mounted on opposite ends of the slide member.

18. A deflection gauge with a dislodging system comprising: an elongate deflection gauge for measuring a minimum diameter of a lumen of a pipe, the deflection gauge comprising:

a pair of longitudinally separated end plates, each of the end plates having an aperture formed therein; and

a plurality of skid members extending between the end plates, each of the skid members having opposite ends with each of the ends being mounted on one of the end plates, radially outermost surfaces of the skid members defining a calibrated diameter along a circumference of the deflection gauge; and

dislodging means for dislodging the deflection gauge from a lodged condition in the lumen of a pipe, the dislodging means being adapted to impact against the deflection gauge while the deflection gauge is positioned in the lumen of the pipe, the dislodging means being movably mounted on the deflection gauge, the dislodging means being movable with respect to the deflection gauge in a direction oriented substantially parallel to the longitudinal axis of the deflection gauge, the dislodging means being slidably movable with respect to the deflection gauge by pulling a cord when the cord is connected to the dislodging means, the dislodging means being adapted to impact the deflection gauge in a direction oriented substantially parallel to the longitudinal axis of the deflection gauge, the dislodging means comprising:

a slide member slidably mounted on the deflection gauge, the slide member being elongate with opposite ends, the slide member having a length greater than a distance between outer surfaces of the end plate of the deflection gauge;

a pair of stop members being mounted on the slide member for limiting sliding movement of the slide member with respect to the deflection gauge, the pair of stop members being mounted on opposite ends of the slide member, each of the stop members being mounted at one of the ends of the slide member, the stop member comprising a plate, the plate lying in a plane oriented substantially perpendicular to the longitudinal axis of the slide member; and

a pair of hooks being mounted on the slide member with the pair of hooks being mounted on opposite ends of the slide member, each of the hooks being mounted on one of the ends of the slide member and extending away from the slide member along the longitudinal axis of the slide member, each of the hooks being located longitudinally outward of the stop member, each of the hooks comprising a closed loop.